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| Substitute Form PTO-1449<br>Modified<br>JUN 25 2015<br>Information Disclosure Statement<br>by Applicant<br>(Use several sheets if necessary)<br>(37 CFR 1.98(b)) | U.S. Department of Commerce<br>Patent and Trademark Office | Attorney's Docket No.<br>07844-468001 | Application No.<br>09/963,802 |
| Applicant<br>Nathaniel M. McCully, et al.  |  |                                       |                               |
| Filing Date<br>September 25, 2001  |  | Group Art Unit<br>2176                |                               |

**U.S. Patent Documents**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee         | Class | Subclass | Filing Date If Appropriate |
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|                  | AA        | 4,284,975       | 08/1981          | Odaka, Kazumi    |       |          |                            |
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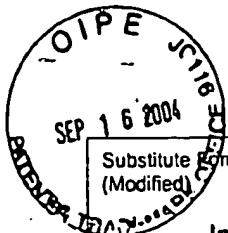
**Foreign Patent Documents or Published Foreign Patent Applications**

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|--|
|                  | AK        | 05-224651       | 09/1993          | JP                       |       |          | X  |
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|                  | AO        | 10-069477       | 03/10/98         | JP                       |       |          | X  |

**Other Documents (include Author, Title, Date, and Place of Publication)**

| Examiner Initial | Desig. ID | Document   |
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|                  | AP        | Hirschberg, D.S. et al., "New Applications of Failure Functions", <i>Journal of the Association for Computing Machinery</i> , Vol. 34, No. 3, July 1987, pp. 616-625 |
|                  | AQ        | Peter Karow, "Extending Control of Digital Typography", <i>Visible Language</i> , 32.2, Visible Language 1998, pp.100-127  |

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|--|------------------------------------|
| Examiner Signature<br><i>Tom H. Blase</i>  | Date Considered<br><i>03/31/05</i> |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                                    |



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|---|--|---|-------------------------------|
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| (37 CFR §1.98(b))   |  |   |                               |

| U.S. Patent Documents |           |                 |                  |          |       |          |                            |
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| Examiner Initial      | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|                       | AA        |                 |                  |          |       |          |                            |
|                       | AB        |                 |                  |          |       |          |                            |
|                       | AC        |                 |                  |          |       |          |                            |
|                       | AD        |                 |                  |          |       |          |                            |
|                       | AE        |                 |                  |          |       |          |                            |
|                       | AF        |                 |                  |          |       |          |                            |
|                       | AG        |                 |                  |          |       |          |                            |
|                       | AH        |                 |                  |          |       |          |                            |
|                       | AI        |                 |                  |          |       |          |                            |
|                       | AJ        |                 |                  |          |       |          |                            |
|                       | AK        |                 |                  |          |       |          |                            |

| Foreign Patent Documents or Published Foreign Patent Applications |           |                 |                  |                          |       |          |  |
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| Examiner Initial  | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| AL  | 1-271275  | 10/30/89        | Japan            |                          |       |          |  |
| AM  | 6-149806  | 05/31/94        | Japan            |                          |       |          |  |
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| AP  |           |                 |                  |                          |       |          |  |

| Other Documents (include Author, Title, Date, and Place of Publication) |           |          |
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|   | AQ        |          |
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|   | AS        |          |
|   | AT        |          |

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